

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Previously Presented) An isolated nucleic acid comprising a nucleotide sequence encoding a protein comprising the amino acid sequence of SEQ ID NO: 2, 4, or 17.

2-10. (Cancelled)

11. (Withdrawn and Currently Amended) A method for producing a polypeptide, the method comprising the steps of culturing the ~~transformant of claim 5~~cell of claim 38 and recovering a polypeptide expressed from the ~~transformant~~cell or the culture supernatant thereof.

12. (Withdrawn and Currently Amended) A method for producing a polypeptide, the method comprising the steps of culturing the ~~transformant of claim 6~~cell of claim 39 and recovering a polypeptide expressed from the ~~transformant~~cell or the culture supernatant thereof.

13-27. (Cancelled)

28. (Withdrawn and Currently Amended) A method for producing a polypeptide, the method comprising the steps of culturing the ~~transformant of claim 22~~cell of claim 40 and recovering a polypeptide expressed from the ~~transformant~~cell or the culture supernatant thereof.

29. (Withdrawn and Currently Amended) A method for producing a polypeptide, the method comprising the steps of culturing the ~~transformant of claim 26~~cell of claim 41 and recovering a polypeptide expressed from the ~~transformant~~cell or the culture supernatant thereof.

30. (Withdrawn and Currently Amended) A method for producing a polypeptide, the method comprising the steps of culturing the ~~transformant of claim 23~~cell of claim 44 and recovering a polypeptide expressed from the ~~transformant~~cell or the culture supernatant thereof.

31. (Withdrawn and Currently Amended) A method for producing a polypeptide, the method comprising the steps of culturing the ~~transformant of claim 27~~cell of claim 45 and recovering a polypeptide expressed from the ~~transformant~~cell or the culture supernatant thereof.

32. (New) An isolated nucleic acid comprising a nucleotide sequence encoding a protein comprising the amino acid sequence from the 33<sup>rd</sup> Ala to 652<sup>nd</sup> Asp in the amino acid sequence of SEQ ID NO:2, from 33<sup>rd</sup> Ala to 252<sup>nd</sup> Val in the amino acid sequence of SEQ ID NO:4, or from 33<sup>rd</sup> Ala to 662<sup>nd</sup> Ile in the amino acid sequence of SEQ ID NO:17.

33. (New) An isolated nucleic acid comprising a nucleic acid sequence encoding a fragment of the amino acid sequence of SEQ ID NO:2, 4 or 17, wherein the fragment is at least 7 amino acid residues in length.

34. (New) The isolated nucleic acid of claim 33, wherein the fragment is more than 8 amino acid residues in length.

35. (New) The isolated nucleic acid of claim 33, wherein the fragment is more than 9 amino acid residues in length.

36. (New) A vector into which the nucleic acid of claim 1 is inserted.

37. (New) A vector into which the nucleic acid of claim 32 is inserted.

38. (New) An isolated cell harboring the nucleic acid of claim 1.

39. (New) An isolated cell harboring the nucleic acid of claim 32.

40. (New) An isolated cell harboring the vector of claim 36.

41. (New) An isolated cell harboring the vector of claim 37.
42. (New) An isolated nucleic acid comprising the coding region of the nucleotide sequence of SEQ ID NO:1, 3, or 16.
43. (New) A vector into which the nucleic acid of claim 42 is inserted.
44. (New) An isolated cell harboring the nucleic acid of claim 42.
45. (New) An isolated cell harboring the vector of claim 43.
46. (New) An isolated nucleic acid consisting of a nucleotide sequence encoding a fragment of SEQ ID NO:2, 4, or 17, wherein the fragment is at least 7 amino acid residues in length.
47. (New) The nucleic acid of claim 46, wherein the fragment is more than 9 amino acid residues in length.
48. (New) The nucleic acid of claim 1, wherein the protein consists of the amino acid sequence of SEQ ID NO:2, 4 or 17.